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August 1953

THE JOURNAL"

Official Organ of the

AUSTRALIAN MODEL RAILWAY ASSOCIATION

For All Who Are Interested in Scale Model Reilroading

-Member Australian Standards Association-

Affiliated with the Australian Association of

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Editor:

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Editor

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The Annual Elections of Office Bearers are over for another term and there were no further nominations received, so the old Committee, to a man, agreed to carry on for a further twelve months.

Mayer Levy, having completed the term of Presidency which he filled on the unavoidable resignation of our previous President Cliff Richardson, Geoff Lormer was elected to the position and Mayer took over the job of Treasurer from Ernie Dean, who, in turn, became Asst, Editor, So that now the Committee's personnel are:

President: Geoff Lormer Vice President Allan Houston
Secretary: Tim Dunlop.
Asst. Secretary: Dave Gross
Treasurer: Mayer Levy
Asst. Treasurer: Ray Perry
Editor: Jack May
Asst. Editor: Ernie Dean,

whilst elected Committeemen are:

Jack Chaplin Herbert Tisher Fred Youis.

Members may rest assured the best interests of the Association will continue to be served, as in the past.

And here, let me welcome our new President, Geoff Lormer, to the ranks of Contributors to The Journal. You would really need to be the Editor of an honorary journal to realize the satisfaction of a chap coming forward voluntarily with, not only an article in part form but a list of suggested subjects from which to choose a series of articles. I feel sure Geoff's full handling of his subject on scaling down will give all rails serious food for thought.

And young Ian Weickhardt has written his first contribution also, but knowing Ian I also know full well it will be but the forerunner of others as time goes on. To these members, and all Contributors, I say,

"Thanks, chaps,"

SIGNALLING AND SIGNAL CIRCUITS

by N. Levin.

(continued from page 7, May issue)

In most circuit drawings, symbols are used to represent certain pieces of apparatus. This tends to simplify a complex circuit drawing and so make it easier to read.

In Fig. 1 I have shown a few symbols that I use myself which will give you the idea. From what I can gather there are not any standards for these symbols and most railways have their own, therefore if you want a particular symbol for a particular piece of apparatus, you invent it yourself.

Before we look into circuits on signals, a word about this instrument.

There are many types of signals and systems in use in the world today, it does not matter what type of signal or system of signalling you use, the idea of using it is the same for alls - A SIGNAL IS USED TO INDICATE TO A DRIVER OF A TRAIN WHETHER THE SECTION HE IS ABOUT TO ENTER IS OCCUPIED OR CLEAR.

Another definition: A SIGNALLING SECTION IS A LENGTH OF TRACK BETWEEN TWO SIGNALS, THE SIGNAL AT THE END AT WHICH THE TRAIN ENTERS IS THE SIGNAL CONTROLLING THE SECTION.

WHERE DO WE USE SIGNALS?

This is an extensive study and naturally we cannot go into it too deeply here, but for the beginner there are several books on the market that go into the study fully enough for modellers.

Here is a little dope you can use to start with

Prototype sections for signalling are not always the same length, in the signal sections in the suburban area where there is a lot of traffic, the signal sections are short, (in congested areas only a train length and half, long) but in country areas where stations are a considerable distance apart and only have a limited traffic, the sections are very long, (sometimes one between stations)

Therefore, on our layout we work out which of our areas will be congested and here we make our sections short, out on the main lines they can be lengthened.

On a drawing of your layout mark out the positions of your signal sections. At the entrance to each section mark the type of signal, that is, HOME or DISTANT. Now say you are the driver of a train traversing the layout, Can you be fully in control at Turnouts, Stations, Junctions, etc.? If so, your signalling system is O.K.

If you are using manual signalling be sure you use the correct type of signal at each point, i.e., square end semaphore HOME, fishtail semaphore DISTANT.

(IN MOST LATOUTS THE DISTANT IS USUALLY OVERLOOKED

AS THE SIGNALLING SECTIONS ARE TOO SHORT)

If using AUTOMATIC signal they are distinguished as follows:

- (a) Automatic Only. Fishtail, with marker light diagonally across mast.
- (b) Controlled Only. Square tip, with marker light vertically under signal lamp.
- (c) Controlled, switchable to Automatic Usually square-tipped, this signal has a marker light in the normal position for CONTROLLED-working, and this turns out and either a marker in the normal for AUTO or an illuminated letter A turns on, switching

being carried out in the controlling signal box.

From the above you may gain a small idea of prototype signalling.

Now we carry on with the ways and means which will allow us to install AUTO or AUTO-CONTROLLED signalling on our own layout.

The methods of signalling that follow will all be of the type where the train wheels do the switching on local track circuits, and can be used only where we have the two outside rails insulated from one another and the wheels actually short-circuit the two outside rails together, or TWO RAIL.

Therefore, if you have TRIX, do not follow this article, but look for the next one,

Now in this system it is essential that one RUNNING-RAIL be nominated for the EARTH-RAIL (say the Lefthand rail as you look along the track in the direction the train will run.) This rail will be CONTINUOUS around the layout, so it is best to have this rail standard (as nominated above) so that you will not strike trouble later when wiring.

The other RUNNING-RAIL (nominated as the Righthand rail) will be called the signalling rail. This SIGNALLING-RAIL is cut at the beginning of each signalling section with a saw-cut and the gap left should be about .050" wide, this will allow for expansion of the rail in hot weather or when lights are playing on the baseboard. A piece of celluloid fitted to the gap will stop the gap from closing, filed to the shape of the rail section.

All the c joints in the EARTH rail are joined by small bonds of wire soldered across them, as in Fig. 2.

Page 6

Each SIGNALLING rail has a wire soldered to it which is lead away to the signal or relay controlling that section

CIRCUITS:

For the modelrails who have made up the "two aspectionals as described in the last two Issues of the Journal, Fig. 3 shows a circuit for the Auto-operation of these signals without the use of relays.

Fig. 4 shows the circuit modified to allow CAB-control of the AUTO signal, 1.0, a CONTROLLED signal

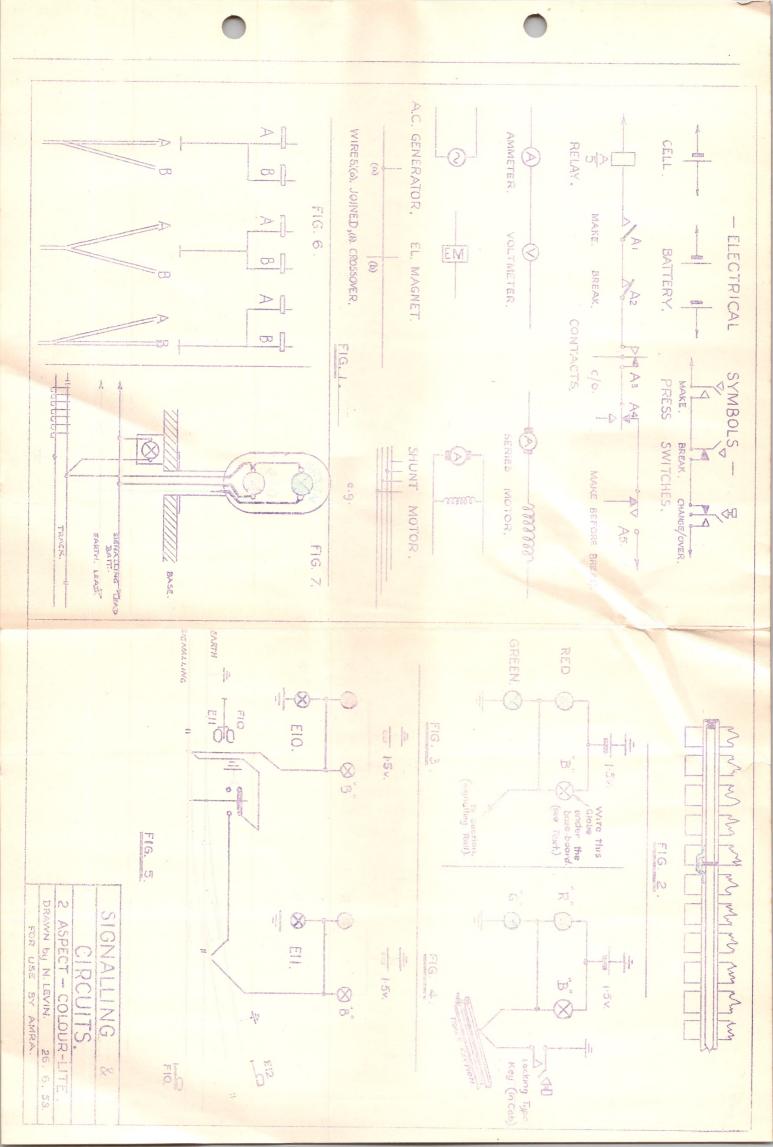
(NOTE) This circuit is arranged so that the two globes in parallel are of the same resistance, and type. A detailed description of these circuits will follow for those who get lost in the maze of wires, so simply wire as sketched, and if you use the same types of globes for the Red and 'B', you will find it works quite satisfactorily.

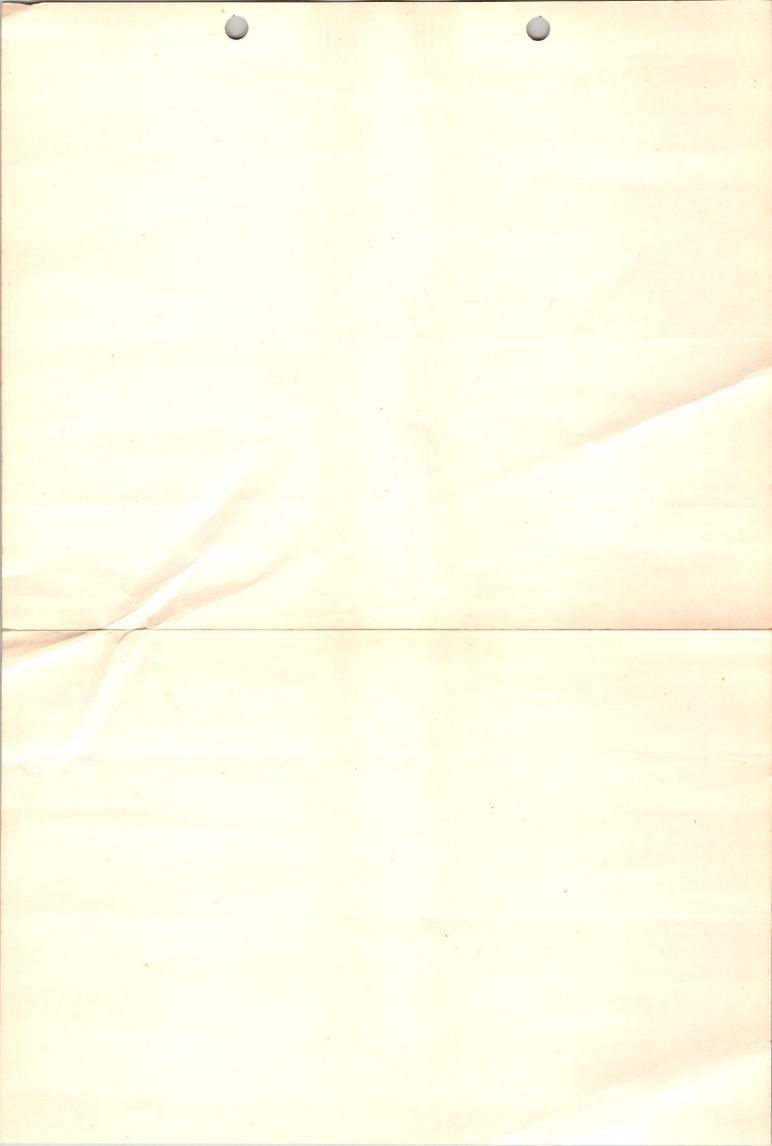
Fig. 5 shows the circuit again modified for use at a Junction where the turnout operating rod has two pairs of change-over contacts on it, or else the key operating the points has the extra contact. Here, when the turnout is set for one direction, the signal governing the opposite leg is locked to red.

(NOTE) Just a word on prototype signalling again. One signal on one mast, then reading the signals from top to bottom. Signals at a Junction are usually arranged on opposite sides of the mast, Fig. 6 The signal on the left denotes the left hand road

and the signal on the right, the right hand road.

Where there are several roads breaking away from
the main line close together, then there is usually a
gantry to carry the conglomeration of sticks, and the
rule still holds: Reading from left to right, signals
and tracks from left to right. Therefore, at a turnout set for the left hand road, the signal on the





left hand side of the mast will indicate the condition of that road, but the signal indicating the right hand road will show red as it is blooked to the train. With manual signals you may have more than one signal on the same mast, and if at junctions the top arm will indicate the left road, the second arm the next to the right, and so on. Therefore, on approaching a junction we should see one signal only indicating a clear road, and the other blooking.

Now here we have a small collection of the simple circuits not using relays, but even so, if our layout is complex so our signalling wiring and allocation of signals becomes complex. To make things a little easier for the wirer and the signalman, we number all our signals and sections. Thus, when a train is approaching the Home signal No. 10 on the Indicator, check the section and if clear, we clear the signal by clearing No. 10 lever (or switch). So when making your diagram with sections, allocate route letters to tracks through the main station, and beyond, then all the signals out from the station should have numbers. (These can be painted on the actual signals on the number plate). Enter these letters and numbers on the chart with the sections

When the track has been sectioned, fit the signals approximately six to eight inches in front of the section gap so that when the train enters the new section the loco, appears to be past the signal hefore it changes. (In prototype, the signal relays and changeover of lights takes approx. 5 to 10 secs, to complete the change, thus if you watch, the leading vehicle appears to have passed the signal before the change takes place.) The wiring diagram in Fig. 7 shows how to wire the circuit up.

The BATT, lead shown leads off to a 1.5v AC tapping on the transformer. This voltage is high enough for the globes described in the articles on

making the signal. These were 2.2v globes, but work perfectly on this AC tapping. Any higher voltage on AC will shorten the life of the globe. The Earth lead is the other side of the AC tapping and is connected to the Earth rail. So keep this tapping for signals only.

Now, when the wiring is completed, keep the train power turned OFF, and have only the signal power CN. The signal should show a Green light. If it does then all appears to be well, BUT - take a metal-wheeled wagon or lose and place it on the section in front of the signal. When you have finished admiring the effect - (Knowing chap! - Ed) move the lose by hand past the signal and onto the new section, the signal should now change to RED. If this is so then all is well. You will notice that the 'B' globe also lights.

This is correct, so when wiring the signal "in", wire the globe under the board or put it in a Battery box (scale size, ofcourse) at the side of the line. This will obscure the light when the RED is showing.

There is only one thing left to try, working the loco under it's own power past the signal Well, go ahead and try it on low power. Watch the signal globe intensity and see if it gets any brighter, if it does so appreciably check your circuit and the power feeds to the signal, if it rolls past and the signal changes O.K. - then let 'er roll, boy!

If there are any questions on problems regarding the wiring of your signals or other knick-knacks, please take advantage of this journal and send them into the Editor - he will see that they are answered.

Thanks a lot, Nev. for these grand articles - next Issue Nev. is planning an article on circuits for those using 3-aspect signals, and the use of relays in auto-signalling. - Ed.

LIBELOUS AND SCANDALOUS?

by David Gross.

of visiting some of our Interstate members and had some quite interesting discussions with them.

My improssions of these members are outlined below and I sincerely trust that what I write will not be taken as scandalous and libelous, but of interest to AWRA members, in particular to those who have not had the opportunity of personal meeting with these Interstators.

The first member I visited was Bill (Pacemaker)
Gardner Bill is known to many in this hobby of
curs, and his business sense has been well displayed in the mode and manner in which he conducts
Pacemaker When you visit him, you are made to
feel at home by the friendliness of both he and his
wife, and you can talk trains until the early hours
of the merning — in fact until you're exhausted—
eak Oliff Richardson — Unfortunately he, like a
lot of our friends, suffers from the disability of
being so darned for away to air his views in person
but these who know him well realise that he has
been of great service to the ABRA in many ways, and
know that he is always thinking model railways.

The mext victime of my travels were Fred and Ray Starged of "O" Gauge House. These chaps are hard workers, and the success of their work is evident as soon as you enter the precincts of "O" G.H.

Here you see a tidy workshop with good machines and fellows behind them who can use them. The primary aim of Fred and Ray is performance, and, because of certain factors, they get results.

It is also a feature there, that in "O" G.H. you see a manufacturing concern which is capable of giving a thorough demonstration of their products, which makes a prospective customer ask what more

proof do I want? Fred outlined a scheme which will perhaps be unique in the history of model railroading and one which should be of benefit, in particular, to many modellers in NSW. It is an Academy for Model Railroaders. It's success will depend on many factors, but let's hope they do the right thing and influence the members of the Academy to use AMRA Standards and so give double-barrelled service to the hobby in Australia.

On my arrival in Brisbane, I contacted Dr. Stephen Suggit who is the AMRA Representative for Queensland. He graciously went out of his way to take me to the Brisbane Model Railway Club meeting, where I met another AMRA member, Harry Harley. Stephen is indeed an untiring host and a very capable model railroader, and it would make a lot of "HO" and "OO" modellers envious of the length of run he has. At a rough guess the main line is 270' long = need I say More? His 4mm scale C36 is "mighty" and would be the pride of any model railroader. His other locos and rolling stock are worthy models, and his detailing of passenger care is first class.

At the Club I met 15 or 16 other chaps, to name a few there was Clive McTaggart, Ed Van Fleet and George Heselwood, the names of the others, unfortunately, I have forgotten, but in their Club premises it was evident that they are very active, and most hospitable

I had many questions fired at me and as a result I gained the impression that the AMRA has oreated an interest up Worth, and that before long it will be of undoubted benefit to Australian Model Railroading.

-Thanks for your report, Dave - we invite any other members who travel Interstate and contact other modellers to write-up their trip for publication as Dave has done - Ed.

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YOUNG IAN WEICKHARDT BUILDS A LOCO Ian writes:

Your Federal Secretary, encouraged me to write about my C36 - So:

My look had it's origin in scrap aluminium, mild steel and copper sheet - I really put all my resources into her. And she returned everything I expected. A real nice little gal, my C36, and that's what I think - Being only fourteen, and never having taken on a big job before, I was all apprehension as I knuckled down to a scale, and not a toy, job.

Main frames of loga V S. ware constructed without the aid of a bench, using a broken-down hand-drill, and a smashed vise as a G-cramp. Driving wheel frames were made from 1/4" sq. M S., and, when complete, I visited Melbourne's best known model professional. There I purchased 6 "Fleet" drivers, which were Ecalously fitted. Then I robbed one of my price 1)" Hornby complete and wheels.

These were fitted to the front pony truck. As I rolled that chaesis up and down my tracks, I felt just like a kid with his first seeden toy engine

and trucks.

Jam tins mysteriously disappeared from our rubbish tin, and by some suspicious means were cut and soldered to form the boiler. Brass was bought for footplates and cab front as timplate wasn't stiff enough. I fabricated the cylinders, and then carved coupling and sources from "702" section track.

Very effective too. About them, one could distinguish the loce as it would look complete. Them I bought and fitted the fittings and many firstclass castings turned out by B.P.R. And they are firstclass, too.

So I came to the stage of painting. I gave her a coat of forest green, lining with red.

Fittings and various places were coated flat black I gave the whole works a coat of lacquer as a finish. She gave me all I put into her, And How!

This engine was due to the encouragement of Tim Duclop who I now thank so gratefully for all his "agging on". I also wish to thank the "Fleet" company, Ra-Pearson and Dynamol on their grand assistance and help in every possible way.

-Good on you, Ian It is indeed a real pleasure, at last, after my repeated requests to all members to send in something either on layouts or methods of construction, to receive the first contribution which has come from someone outside that band of willing horses, the Committee And from a fourteen-year-old, at that — Ed.

How Richardson has found it impossible, this leave, to write the ourrant instalment of his explant series. Toss some four Tinenips', owing to the vast amount of spare-time work involved in the preparation of the highly successful visitors' Night on Tri June 26th flok was surprised and delighted at the rolling will worth the effort. We his vote. We trust the period of the following onapter'

I have received an Urgent Signal from our Secretary,
Tim Dunlop Tim asks a favor of all chaps writing bid
If the letter is purely a personal, private one, 0 %
but, if you also have AMRA business to discuss, will you
write that on a separate letter - to be read out in Conmittee - even though enclosed in the same envelope?

OVERHEAD WIRING AND OPERATION Part 1 - Waking the Pantograph by Geoff Lorwer.

It has been said that the motion gear of a steam locomotive provides a spectacle which number be suralled by even the novelty and glamor of the Diesel Electric Modellers might easily reject the DE because of its lack of moving parts. However, the same criticism cannot be levelled at the Electric locomotive or suburben electric train operating from overhead wires and with a working pantograph which moves, not only vertically, but also has the illusion of sideways movement caused by the side to mide sweep of the overhead wires across the collecting "pan".

Most layouts would be enhanced by the introduction of an overhead section which could provide for a yard working loco, a section of main or branch line with an electric goods service, an electric suburban service, or a main line passenger and goods service.

Both NSW and VIC will be using main line electric locos as well as electric goods locos and subvivan

electric trains.

There is a fascination and realism in overhead operation which is surpassed only by the officiency of this method of current collection

Before describing the construction of a model pantograph, let us look into the working features of the fullsize pantograph. It is held down when not in use, by powerful springs, and in operation it is pushed up and kept up, by compressed air, which overcomes the springs and gives a constant force against the overhead wire, of about 20lbs. In the model, however, we will content ourselves with roughly the reverse, i.e., springs will pull it up and se will push it down and provide a clip to hold it when not in use. (By a fluke of the folded arms it will often lock down of its own accord - you might be lucky')

The next important feature is the equalising rod without which the peniograph will rook backwards and forwards as shown in Figs. I and la. Each arm is capable of independent movements - one could go up and the other form at the same time, with the result the pantograph turns "inside out".

The legs are connected through cranks by the equalising rod as shown in Fig. 2, (the VR "crossed-leg" type), and Fig. 3, (the less complicated type used almost universally throughout the world and now used by the VR on now electric rolling stock). Imagine a movement in the direction of arrow 1, and then follow the numbered arrows indicating the subsequent movements of other arms. It will be noticed that both aides work together as the movements are co-ordinated by the equalising rod.

The collecting "pen" can be of the single or double type. The horns are curved down so that the wires mounting the pan will do so smoothly even if slightly lower than the centre of the pan.

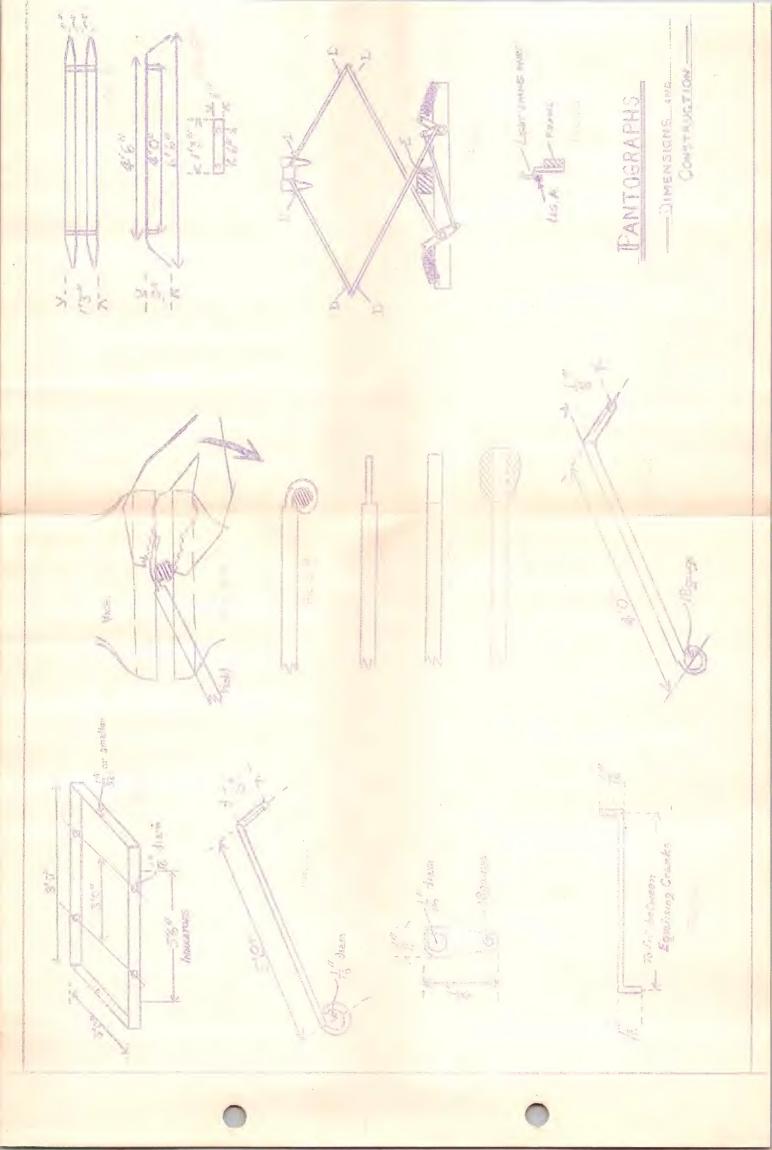
The constructional notes and diagrams to follow deroribe the Theorem Lagged type with double pas as Ab is more complicated, but the principles can be used to model the "span" type,

ont spacing of the front (A), and rear, (B) legs to enable them to eross.

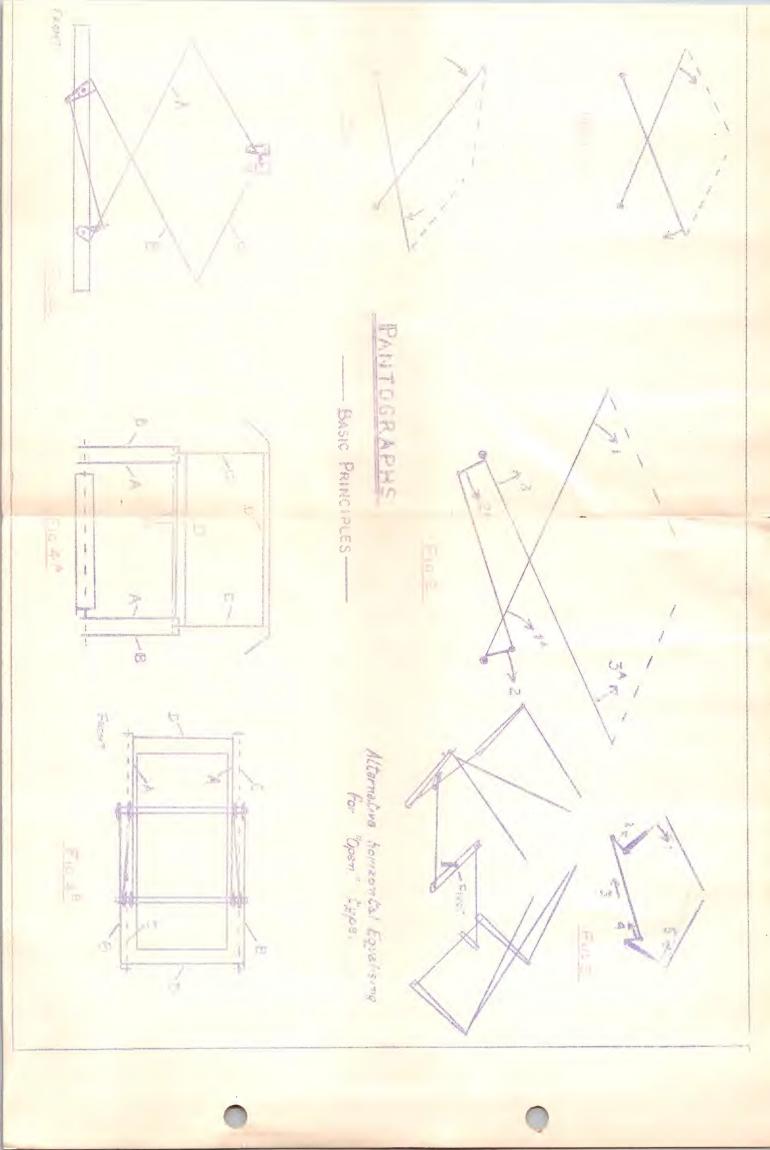
in the model) their outer ends bent out, and the B' isgs, being sider apart, are bent in The dotted line is that of the top arms (C)

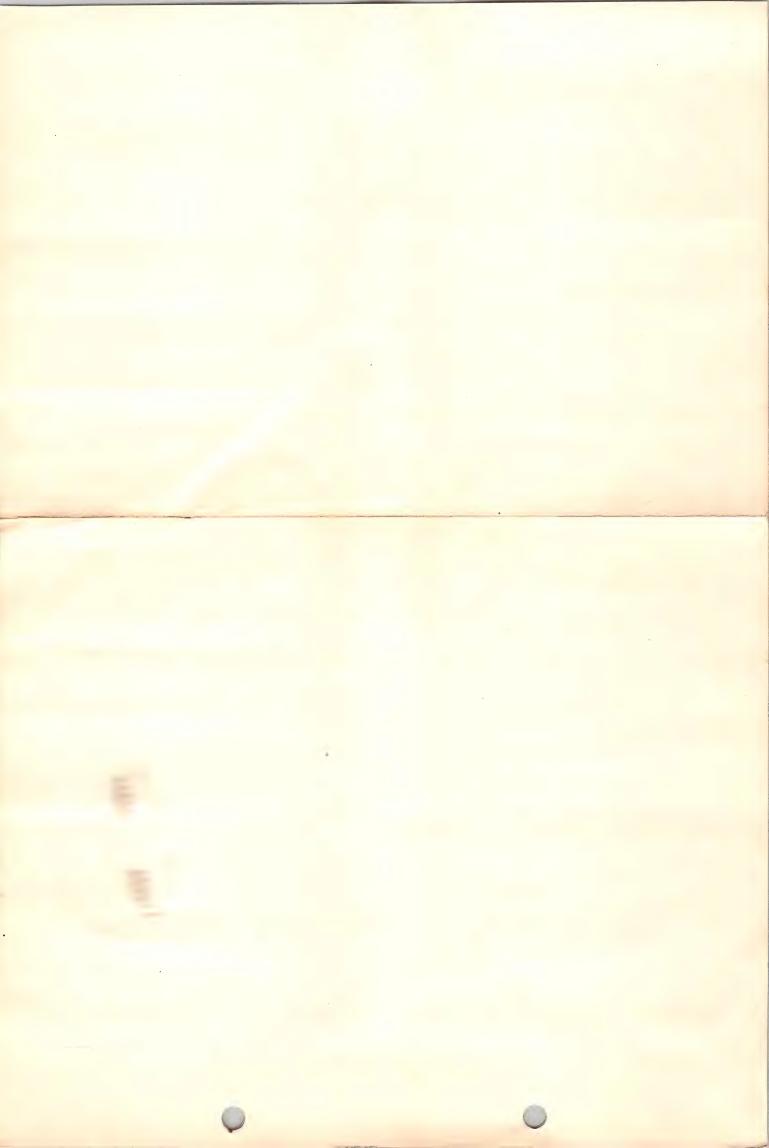
CONSTRUCTION

(Note: Any model dimensions given and also the type and size of materials









1. FRAME Fig. 1. 1/16"x1/5" bream, bent, and

soldered in one corner.

2. LEGS 1/16" mild steel, length 406. 2 off.
2. LEGS Fig. 2. lega steel or phosphor bronze wire bont to shape as shown.
2 front legs (A)

2 rear legs (B). Start at the Axle end making the eye, and then measure from the centre of the eye to the point for the bend. Note that 2 are bent to the Left, and 2 to the Right.

3. EQUALISING CRANKS 4 required. Shaped from 1/16" brass, as shown in Fig. 3.

4. Equalising RODS 2 required. The length of these rods can be ascertained at a later stage, in assembly, (Fig. 4).

5. TOP ARMS (C) Fig. 5 4 required. Start at the eye and as follows: Flatten out about 1/4" (Fig. 5A) File away excess in width, shaded area Fig. 5A Result, Fig. 5B (plan) and 5C (elevation). We now shape as in Fig. 5D by method shown in Fig. 5E. When the eye is nearly closed snip off what you judge to be excess so that the end fits back snugly as in Fig. 5D. This gives a firmer bearing than just using the wire still in the round. Now measure from the eye for the bend. Again, 2 are bent to the Left, and 2 to the Right

6. PANS 2 required. Shape from 1/32" copper as in Fig. 6 and 6A. These are soldered together onto the brackets. Fg6B

7. SPRING LEVERS Fig. 7. 2 required. These are similar to the Equalising Cranks Fig...

ASSEMBLY

1. Thread each AXLE through one side of the frame, slip a SPRING LEVER onto each axle, then pass axles through holes on other side of frame. 2. Choose one of the axles as the FRONT axle. On to such projecting end slip an EQUALISING CRANK and a REAR LEG (B) with their bent ends "in" On one side solder both orank and leg on to axle so that orank is at right angles to the leg and pointing down". Repeat on other side making sure that the legs are parallel and in the same plane.

3. On to each and of the REAR axle slip first a FRONT LEG (A) with bends facing "out" and then an EQUALISING CRANK. These are now soldered such that when the front and rear legs are crossed equally, the oranks are parallel with those on the front axle but pointing "up". Again the legs must be parallel and in the same plane. See Fig. 7.

4. CROSS RODS (D) 22ga wire are now soldered across the top ends of the legs. See Figs. 4B,

and 7.

5. Wow place a small blook or triangular file across the frame under the crossing point of the legs so that the 4 top ends are at the same height. We can now fit on the 4 TOP ARMS and hook their top ends into the PAN BRACKETS remembering that all the bends face "in". Another 4 CROSS RODS (D) Fig. 7 are soldered into place, thus completing the diamond.

6. Check the whole diamond from both sides for symmetry and then fit the EQUALISING RODS, Fg4. Notice that the bends on each and are opposite On the front axle the bend on each side faces "in" and on the rear axle they are "out".

- 7. The pantograph should now move freely up and down with very little back and forth movement. When satisfied, the squalizing rods can be fixed in so that they will not drop out, by a small washer of fine gauge wire sweated onto the tips of the rods projecting through the CRANKS.
- 8. With the pantograph raised to about normal running height, solder the spring levers in the

Gentre of each anic so that they are pointing "up" and at right angles to the LEGS.
Lint applies to the LEGS.
Lint appli

round head wood screws into place and solder frame to these. For a metal roof small bolts will have to be used through bigger holes with insulating washers and a looknut on each side. Then solder frame to belt he to the comports completes the job.

To facilitate removal and replacement of the puntograph, such aire press study may be used. One half fixed to the roof and the other to the frame.

Then painting, make sure that paint does not get into the joints - it's easy to get it in, but getting it all out again is no easy matter.

In PART 2 we will tackle the problems involved in "utringing" the overness utras no ear actualing on that pantograph.

D-D-0-D-0-D-0-D-

ROLLING STOCK DRAWINGS by Gooff, Lornez.

In attempting to provide useful data on Australian Railways Rolling Stook, drawings have been prepared to a scale of 1/8" Ift, so that they can be published in "The Journal".

Then reducing to such a small scale some approximations have to be made. For example: If, as

on the bluepring of the NSWGR's OBS car, a dimension is given as 4 0-21/j2", what expression is to be word on an 1/8" scale drawing! Hout could probably agree to discard the 21/j2", leaving the dimension as 4.0" which would be drawn in 1/8" scale as 1/2"

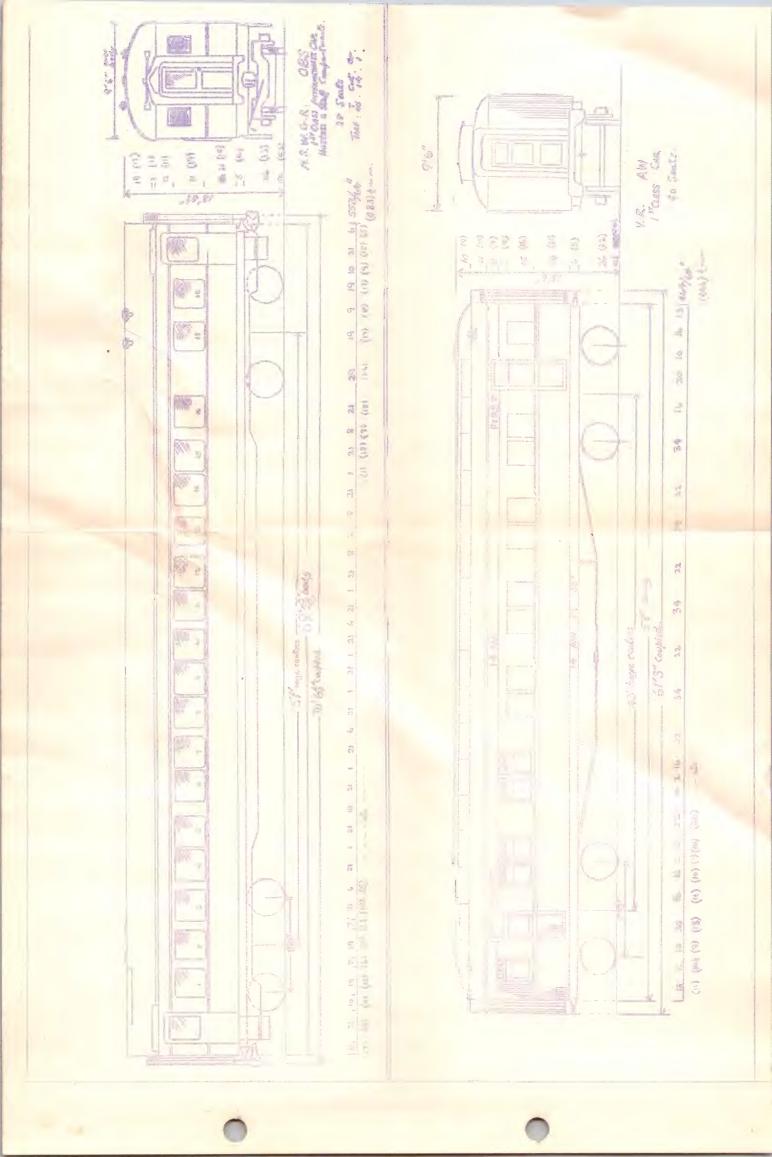
However, this dimension appears twice in the length of the OBS car so we have dropped 2x21/32" or 1 5/16" which in 1/8" scale is getting close to 1/6". One suggestion is to add this 1/64" to another dimension in the length of the car where it would not be not incod, i.e., where it would not affect the visible portions of the car, e.g., on the OBS car there is a large space between the 16th and 17th windows, I added here would not be noticed whereas if it were added to one of the windows it would look odd in comparison with other windows.

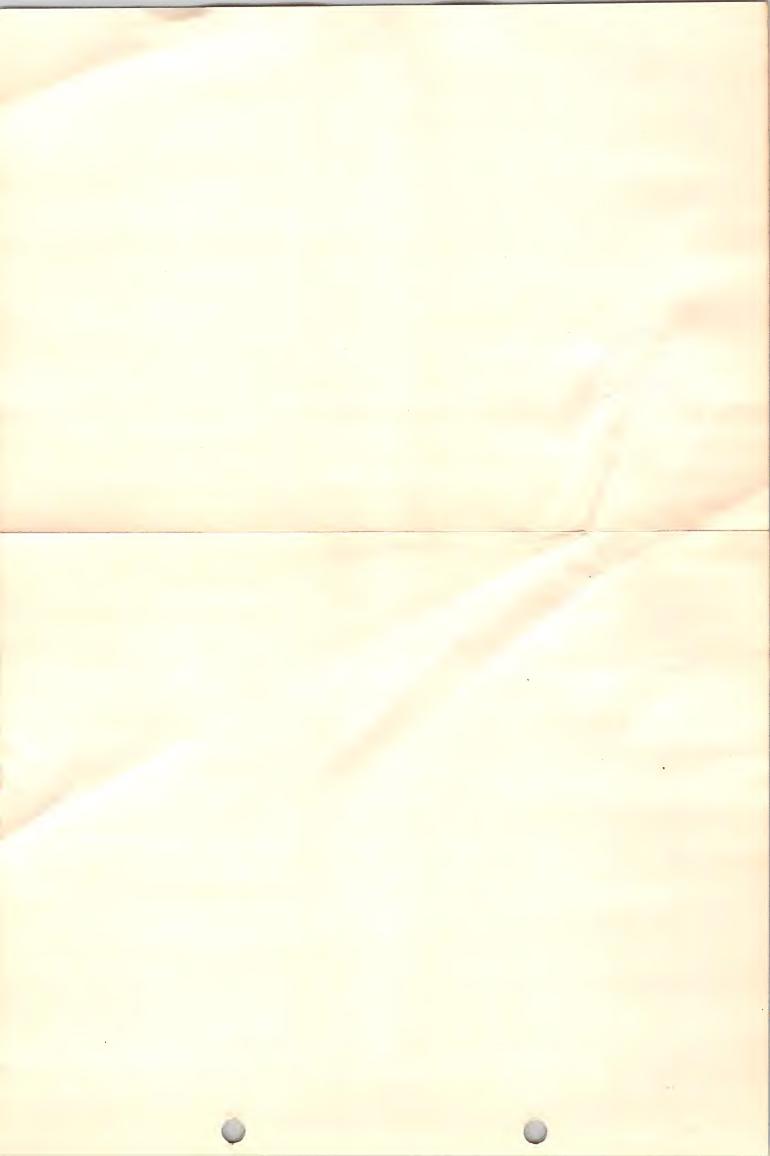
blusprint with fulletze dimensions we have to measure them with due regard to the scale of the plue-print. Even when working in 64ths in measuring a series of windows (which appear to be similar we may find it difficult to decide on the exact measurement owing to the thickness of the lines on the print. In such a case we would approximate to the nearest 1/64*

We might, for example, have a measurement of 22/64 (11/32") on the blueprint which is to the scale of 1/16" lft. (where 1/16" = 5", 1/32" = 2", and 1/64" = 1") The 22/64" is therefore 22" = 1 10" in full size. Now, in 1/6" scale 1/16 = 6", 1/32 = 3" and 1/64 = 1-1/2" so we could take 1/9" = 1/4 + 3/32" if we add another 1/64" as have a closer approx

imation, 1.0. 1/10-1/2"_

However, we now dome to the problem of 12 minders each 1 10" wide. It is the problem of 12 minders 1.10-1/2" we still length to the problem of 12 this case we may decide to disperse the 16" of 4 similar looking modern on the Car side.





In goveral them, we have to approximate the blueprint seasurements and them perhaps approximate again on the some drawing. However, it often happens that we drop a fraction of the fullsize dimensions and them find that we can go UP again in working to the nearest 1/64" on the 1/8" acale, thus tending to equalize the error.

In the drawings given, the sum of the approximated full size dimensions as taken from the blueprint is equal to the length of the car and the approximations made are to the nearest and most suitable 1/64th.

These fullsize dimensions are then scaled and again adjusted so took they add up to the scale length of the car E.g. Length of body,69'0-9/16" (the 9/16" has been iropped, leaving 69' = 8-5/8" in 1/8" scale.) The individual dimensions, measured in 64ths, of doors, windows, and the spaces between them add up to 5-5/8" or 552/64ths

Those modelling inl/4" scale simply read the figures on the drawing as 32nds. E.g. the width of a door on the OBS is given as 21 = 21/64" in 1/8" scale and 21/32" " 1/4" "

For 3.5mm and 7mm scales the figures in brackets are the dimensions in half mms. They have been calculated and then approximated to give a total scalulength of 69 in 3.5mm scale = 241.5mm or 42 half mm. Thus the door (18) is 18 half mm in 3.5mm scale and 16 full mm in 7mm scale.

as follows: NSW - SFS and VR - BW

and also similar drawings of Goods Vehicles

He would like to hear your visus on this type of

drawing and also a list of the types of vehicles—

passenger and goods, which would be of most value

to you, also, Interstate members who can obtain line

drawings of their State's vehicles for inclusion too.

WHA BRANCH SUCCESSFUL TIBITORS NIGHT.

The most successful night held to date by the Victorian Branch was undoubtedly the Vicitors Wight on Fry June 26th, when a roll-up of 140 members and visitors filled the moeting hall at St. Marks, Fixzery. This rally was unpredicted, and was the more remarkable in view of the fact that 40 odd shaps who had intimated they would be there aid not get along.

As it was held on a normal Branch Westing Might, Chalrman, Rick Richardson, to the summons of a handbell called the meeting to order, and, mounting a chair declared the meeting open and walcomed the visitors, who included several ladies. He then proposed, that in view of the numbers present and the many points of interest to be inspected that the very accellent Minutes of the last Meeting be taken as read, which proposal was agreed to unanimously and the business of the evening, the craning of neeks in all directions, was under way.

Surveying the assembly seeking a point from should to commande reporting, it appeared that the only thing was to fix on a spot and work from there around, taking in everything as it came, and that point happened to be the series of photos taken at the Stand of the VMRS at the Wodels Display held in the Exhibition Buildings during Aug 30 - Sep 6, 1952.

These photos, exhibited by Don Worth, showed closemoment from the public view, and operating scenes from the business side of the layout. They are so good that some views looked like real life until one remembered that part of the layout from adjoining scenes.

Gooff Lormer exhibited a group of NSWGR dieselunite photos which were very interesting, and these led up to quite a large display of official VR present day photos of large dimension, rounding off with those of perhaps even more interest, original historical photos of the VR showing many aspects of lines, structures, midge openings, stations, rolling stock and aven midneys such as each ways, of the old days. Brism Modlure had an interesting show of his own photos, part of the Truits of 2 trips to Fort Kenbla and Fyrmafore which whotted one a desire to do likewise.

In the centre of the hall Dave Cross was kept busy running the Drawbar Pulling Contest, whilst in another corner Bob Smith drove an 'O' gauge Lionel around a portable 'dismantleable' track he had built. He used quite an ingersous sethed of valve plugs and sockets to quickly someof up each sections wiring.

On the hand-built models tables Ern Mainka displayed his 1102 suburban electric loco, VR, A21, R' and 102 HP Walker diesal railmotor. Few Levin sent elong his A2 and H plass loops and a scarphlight signal and 3-position bond, the subject of his excollent articles in the Journal Eaver Lavy had his meticulously under-floor detailed VR V modian even trucks, and Dr Gutteridge his live steam 4-4-0 Too remain set down on the table Widland Compound. w handful of burdwars, with the query, "Anyone recomize it?" "It", which no one did recognize from their last vice of it was his Louis "O" mars took, smoke exhausting, from which Ron had removed the paint, added a sand dome, piping, shunters guards, and I fancy he mentioned it is to have pilots and a bell - "give it that stubby, powerful look!" Euro will. Ron. sure will = =

Andy Lyell 6 'V' class Vauclain compound, To class diesel switcher and 3' gauge Climex are always welcome exhibits, and Andy says his cut-an'-fill under the house layout is proceeding slowly, as limited spars that becomes available Common complaint, Andy, suffer from it myself! Frank Kersham's freelence 1100 VR type suburban electric loce showed really fine workmanship, whilst the

71.00

ictailing Pater Ducket of gauge bogic. granded to Cortificate for the Best Group of to it Ron Rest - sward for the Rost Unusual West out all instified by his KWR Industrial Electric 1909. The Lavy's trucks and him the award for the Best House bellt Rolling Stook Wodel Frank Kelly's beautiful little consist of T los-box, 'H' box-von, 'O' flat and Z' van after A416, 4-4-0 in 3.5mm on 16.5mm caused our Judge to name him Runner-up for the Best Group of Mcdels. Frank's work in this fine scale is precision itself. Young Ian Woighhardt con the competition to guess the weight of the gauge Industrial saddle-tank and the 16.5, 0-8-0 | and and East Sussex Rly. House by John Stamp, Actual weight was 31bs 6-1/2 ozs, and lan's estimate was 31bs 5.5 ozs. - don't ask me how he strived as the ,5. Ken Healing and the and for some regular became the Unluckiest work !

Doug McFadden would be the Luckiest Model without doubt as he had the Lucky Number on his which earned him a Dump-car Paper-weight by Rick Richardson, which would have been an adornment to the dock of the Commissions for Reilway 1 Two well-for AMRA's Dest Backroom Boy, and Mrs Deen, Lest Backroom Gizl, a recognition for her good work behind the transfer to receive a dainty backet of flowers, she blushingly acquiesced

Results of Dave Gross' Loco Trials were:

HOME BUILT 'O' Ern Mainka's A2

GOMMERCIAL 'O' Jim Scott's Heag Electric

Half-O HOME DONEOVER' Fred Youis's Trix Switcher

" COMMERCIAL Phil Avard's Bowser Mountn.

In another room, Brian McClure projected stills on British Railways and supplied the commentary doing

a job which immensely impressed all who heard him,

A most pleasing feature of the avening was the presence in the gathering of a sprinkling of womenfolk. Nembers and Visitors who had their ladies with them were Mesers Richardson, Dean, Dunlop, Lormer, Mainka and Henderson and Diok Gutteridge and his fignos, Miss Judy Hall, and we would like these members and visitors to pass on to their womenfolk our pleasure at their company.

Chairman, Rick Richardson, did the lion's share of the work to make the svening a success, one item alone that entailed much preparation was the designing and printing, then photographing, enlarging and developing of the Certificates which were given to the winners of the various awards.

Small displays of commercial goods were arranged by Messrs Pearson, Norman, Noisette and Meadmore, whilst Jim Ray, of Welb. Sports Depot breezed round,

On behalf of all present I would like to say a 'jolly well done' to Rick for a stout effort, and to all who backed him up and made this Night the undoubted success it surely was

READERS MEWS

AND VIEWS -

THE AUSTRALIAN MODEL RAILWAY ASSOCIATION

MEMBERSHIP LIST 17. 7. 53.

## Aa		All and desired and the second second		wind a	
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0-24	В	Crilly	31 Vasey St. E. Bentleigh Vio	1311	3 m

Page 2

		ALMS	Address	Gauge	Soule
		Spery	779 Whitehorse Rd		1.60
K.		Cutler	Hont Albert Vic Box 13 Fall & awang NSW	144	7 mm
400 m		Daan			7/ 6
H,		Delaney	Fitzroy Vic 98 Oakleigh Rd		
D.		Dolley	Carnegie Vic		
			Don Rd. Healesville Vic	11 11	-fr 33
Lo	A .	Draper	149 Atherton Rd Oakleigh Vio	14.0	
Ā	W.	Ducat	Flat 9 3 Tahara Rd.	16 5mm	3. 6ms
P.		Duckett	Toorak Vic	16 5mm	ME.
T.		Dunlop	Caulfield Vic	16 5mm	
		Easterby	Reservoir Vic	140	
		Elderin	Glen Tris Vic		
			Burke Rd Gardiner Vic	7条4	} 11
- The Co		Fasoli	19 Farnham St Flemington Vic	16.5mm	1/8"
J.		Fidos	101 Truganini Rd Carnegie Vic	16,5mm	
Ç.		Fryar	l Station Av Jordanville Vic	16 5mm	4 mm
9.		Gardner	583 Olive St Albury NSW		ages &
T		dason	Agnes P.O.		
	R.	Gibeon	Sth Gippeland York St North		
*** '		Groome	Flat 1	140	
			Anderson's Rd East Hawthorn Vic	1	Fine
			V & V 6		

		Page 3		
	Name	Address	Gaurgo	<u>Scale</u>
	Gross Guttoriage	13 Heath St Sandringham Vic	16.5mm	3.5mm 3.8mm
		Sth Yarra Vic	121	200
	Galmore	Box 197 Cairne,	32.0	1 0
	Harley	C/- E Biel Hillon St S. Briebene Gld	16.5mm	4 mm
Hartl	ey's Ltd.	CO. 477		
M	Hausterfor	24 Taturdale Rd	140	1 m
	dearn	316 Balwyn Rd Nth Balwyn Vic	15 5mm	th mm
R.	Hall	4 Cawkwell St Walvern Vic		
D.	Hitch	6 Moama St Sunshine Vic	3 £ 5	3.5mm
Ao	Holden	Mt. Napler Rd		
	Hosesok	Hamilton Vic 27 Kitchener HJ) · Jum
A. S.	Houston	Madeline St		erry page
	Eally	Clayton Vic 13 Wordsworth St Noonee Ponds Wo		
14,	Abunon	lat 4		
, c	Lamble	Ambura Vio Caford Rd.		
8.19	4	allsyth vac		
N.	Levin	27 Avelin St Hampton Vio		111
M. H.	Levy	8 Gould St Brighton Vic	240	\$ #1
G W.	Lormer	181 Burke Rd East Malvern Vio	120	是明
G.	Loughnan	Flat 4 15 Carpenter St Mid Brighton Vic		

	Pana 4	
	Address	Unuga Pomle
a bomy	3 Caroline St Hawthorn S. Vio	15
E. W. Lowry	Carolane St	2音》 音》
A. Lysli	4 Fairview St Hawthorn Vie	T# 0 0
B. MeClurs	227 Highfield Rd . Burwood Vio	16 5mm 0
F. McConnell	69 Mintero Av S Strathfield NSW	78 f s
L. McFadden	Mangaroo Ground	16.5mm 4 mm
D. McFadden	Kangaroo Ground Vio	16.5mm
J. McLean-Fox	Vlat 2 15 Carpenter St M. Brighton Vic	16,5mm 4 mm
R, McWhanney	91 Coonan's Rd Passoe Vale Sth Vic	1毫别 意识
F. Heinka	12 Flora Gr	1青川 青川
H. W	Ivenhoe Vio 10 Noonee St Ascot Vale Vic	140
1 1-1	4 Canberra Gr - Ealvern Vic	16,5000
Medicars Modela	163 Exhibition St	All Gauges & Scales
Welbourne Sporte Depot	55 Elizabeth St	All Gauges & Scales
G. K. Meller	56 Leader St Goodwood S.A.	16 5mm 4 mm
R. Mennie	5 Bamfield St Sandringham Vic	140 20
P, Hottram	22 Pine St Fest Hobart Tas	16 5mm 4 mm
H. Norman	1248 High St Walvern Vio	All Gauges & Scales
New Systems Radio	100-2 Hunter St	All Gauges
	Nawoastle NSW	& Scales

die .	de la companya del companya de la companya del companya de la comp		
Name	Address	Gauge	Scale
C F Woisette	752 St George	,	
V. A. MOZECUUS	352 St. George Road, Rth. Fitzroy	ATT G	ange &
	Nth Fitzrov	Via Sa	34600 4
E MINGPAIN TO	h Halmorn I St		
	Essendon 5 Curt St. Ashfaeld	Vio 12"	10
"O" Gauge House	5 Curt St.		199
	Ashfaeld 1	NSW 14"	7 mm
FRUCUSA OF MOOST	DUA 7		3.5mm
Engineering Supp.	lies P.O. Albury	NSW 16.5mm	3 . 5mm 4 mm
		32 mi	n _
D W A Discount	16 Appleton St	A pmr	n 2 mm
R.W.O. Pearson	Rachmond St	71a 9 s	Gauges
R. L. Perrey	8 King St	V 1 0 0 1	008768
. No so some of	Gardiner,	Via 16 5mm	n 3 Emm
P. Pookley	15 Chester St	a seed as the Disse	is so susses
	Herne Hill	140	2. 11
	Gaelong	Vic .	
R. F. Purday	16 Budd St	16,5mm	0
	Collingwood 1	Vio	
Cpl E. Raddatz	T, I, R, S, 1 A, D,		
25h - 5th - 6	RAAF Laverton	74c 16.5mm	a 3.5mm
R. Rattray	Port Franklin	27 2 2 3 4	
TIT Dodrawa	Sth Gippsland	V 10 14"	
W. Rattray	8 Sharpe St Regent	Vic 14"	7
L, W, Rea	13 Tatong Rd	198 44	i trita
	E. Brighton V	7ic 1}".	7 mm
N. Read	1 Augusta St		
	Strathfield 1	ISW 14"	- 2 n
C. Richardson	18 Lesley St	ON2	
	Angwood 1	710 16.5mm	3 20
H. Richardson	5 Plant St	24"	
95.2 - 9.		VSW 16,5mm	1
J. Richardson	29 Seymour Gr	710 710	4 #
D · Dichy		/io 1 ½ "	4
R, Rigby	9 Breyl St Burwood	710 16.5mm	5
J, Rigelsford	79 Henley Marin		A.
	Drive	121	
		TSW	

Page 6.

	Name.	Address.	Gaugo	Scole
Robilt	Products	219 Bay St.		
		Sandringham Vic	120	
J. A.	Scott	"Euglebar"	*	
		Kerr Cres		
970)		Montrose Vio	140	7 mm
H. A.	Siddall	5 Waverley St		
A	C i	Sandringham Vic	16.5mm	3.5mm
âl o	Simmons	4 Park St	2 7 61	7
340	Slovník	Brighton Vio	140	/ mm
* c	OYOAITAV	6 Burringbar St	36 5	Ang gran
Herbe	rt Small	Balgowlah NSW 308 Collins St	16.5mm	2.5mm
	Ltd	Melbourne Vic	All Ga & Sca	
A	Smith	6 Tamar St	G 008	-i. G &
Ų.		Resendon Vio	140	3.11
B.	Snowfoot	3/3425	and all	9
	(Tpr)	lst Armd Regt	16.5mm	
		Puckapunyal Vic		
W c	Sparke	69 Woods St	16,5mm	4 mm
T 450		Newport Vic		
J. W.	Stamp	ll Menziee Av	16.5mm	4 mm
	Otombones	Brighton	a 1 a	9
M o	Stanbury	3 Langham Terr	7 1	查明
W .T	Stoney	Unley, S.A. 2a Barbara Av	36 6	20
. 11 0 4 6	S USES IS 9	Burwood Vio	16,5mm	4 min
G.	Stringer	"Tulloch Hill"		
	69.3	Mickleham via	720	201
		Broadmeadows Vic		
	Stringer	datto	120	A 11
Dr,				•
S.	Suggit	20 Henry St		
		Ascot Brisbane	16.5mm	4 mm
M o	Michan	Qld	n 2 m	M95
AA O	Tisher	25 Mt. Ida Av	140	/ mm
G.	Usherwood	Hawthorn Vic		
* 0	A 64 64 64 64 64 64 64 64 64 64 64 64 64	Arnoliffe		
		Sydney NSW		
N.	Wadeson	90 Dandenong Rd	2411	2 11
	and the same of th	Frankston Vig	do la	in mai
		1 57 60		BARAN.

Name	Address	Gsuge	Scale
Capt			
R. A. Wallace	34a Glon Orme Av Ormond Vic	140	2" 7mm 17/64"
G. D. Watsford	13 Karma Av		
	E. Malvern Vic	16.5mm	3.5mm
I. G. Weickhardt	3 Mara St.		
	Caulfield Sth	14"	\$ 11
K. J. Wilcox	89 Links Av. Concord NSW	130	17/64"
A. Wilson	351 Whitehorse Rd		
	Balwyn Vic	16.5mm	3.5mm
F. Youie	39 Charles St		
	Abbotsford Vic	16.5mm	3.5mm

